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Keywords: computer forensics, information flow, intrusion analysis

2 Backtracking intrusions

Samuel T. King, Peter M. Chen

December ACM SIGOPS Operating Systems Review, Volume 37 Issue 5

2003

Publisher: ACM

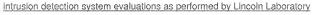
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Keywords: computer forensics, information flow, intrusion analysis

Testing Intrusion detection systems: a critique of the 1998 and 1999 DARPA



November ACM Transactions on Information and System Security (TISSEC), 2000 Volume 3 Issue 4

Publisher: ACM

Full text available: pdf(156.16 Additional Information: full citation, abstract, references, cited by, index terms, review

In 1998 and again in 1999, the Lincoln Laboratory of MIT conducted a comparative evaluation of intrusion detection systems (IDSs) developed under DARPA funding. While this evaluation represents a significant and monumental undertaking, there are a number ...

Keywords: computer security, intrusion detection, receiver operating curves (ROC), software evaluation

4 Backtracking intrusions

Samuel T. King, Peter M. Chen

February ACM Transactions on Computer Systems (TOCS), Volume 23 Issue 1 2005

Publisher: ACM

Full text available: pcfi(647.38 Additional Information: full citation, abstract, references, cited by, index terms, review

Analyzing intrusions today is an arduous, largely manual task because system administrators lack the information and tools needed to understand easily the sequence of steps that occurred in an attack. The goal of BackTracker is to identify automatically ...

Keywords: Computer forensics, information flow, intrusion analysis

5 <u>LIFT: A Low-Overhead Practical Information Flow Tracking System for Detecting</u> Security Attacks

Feng Qin, Cheng Wang, Zhenmin Li, Ho-seop Kim, Yuanyuan Zhou, Youfeng Wu December MI CRO 39: Proceedings of the 39th Annual IEEE/ACM International 2006 Symposium on Microarchitecture

Publisher: IEEE Computer Society

Full text available: Additional Information: full citation, abstract, references, cited by,

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Computer security is severely threatened by software vulnerabilities. Prior work shows that information flow tracking (also referred to as taint analysis) is a promising technique to detect a wide range of security attacks. However, current information ...

6 Multi-module vulnerability analysis of web-based applications

Davide Balzarotti, Marco Cova, Viktoria V. Felmetsger, Giovanni Vigna
October CCS '07: Proceedings of the 14th ACM conference on Computer and
communications security

Publisher: ACM

Full text available: pcti(319.23 Additional Information: full citation, abstract, references, index terms

In recent years, web applications have become tremendously popular, and nowadays they are routinely used in security-critical environments, such as medical, financial, and military systems. As the use of web applications for critical services has increased, ...

Keywords: dynamic analysis, multi-step attacks, static analysis, vulnerability analysis, web applications

7 ASM: application security monitor

Micha Moffie, David Kaeli

December ACM SIGARCH Computer Architecture News, Volume 33 Issue 5 2005

Publisher: ACM

Full text available: pdf(246.65 Additional Information: full citation, abstract, references, index terms

Our Application Security Monitor (ASM) is a run-time monitor that dynamically collects execution-related data. ASM is part of a security framework that will allow us to explore different security policies aimed at identifying malicious behavior ...

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